

IOT Based Smart Crop Protection System for Agriculture

Team ID - PNT2022TMID13304

Team Members - S. Manikandan, P.
Manikandan, M. Deepak, M. Richard Kumar. K.
Dharnesh

DEVELOPING PYTHON SCRIPT

CODE:

```
import wiotp.sdk.device
import time import random
myConfig={
"identity": (
"orgId": "gagtey",
"typeId": "GPS",
"deviceId":"12345"},
"auth": {
"token": "12345678"
```

```
}}
```

```
def myCommandCallback (cmd):
```

```
    print ("Message received from IBM IoT Platform: %s" %  
          cmd.data['command']) m=cmd.data['command'] client=
```

```
    wiotp.sdk.device.DeviceClient (config=myConfig,  
    logHandlers=None) client.connect() def pub (data):  
    client.publishEvent (eventId="status", msgFormat="json",  
    data=myData, qos=0, print("Published data Successfully: %s",  
    myData) while True:
```

```
    myData={'name': 'Train1', 'lat': 17.6387448, 'lon':  
    78.4754336) pub
```

```
    (myData) time.sleep
```

```
    (3)
```

```
    #myData({'name': 'Train2', 'lat': 17.6387448, 'lon':  
    78.4754336)
```

```
    #pub (myData) #time.sleep (3) myData={'name':
```

```
    'Train1', 'lat': 17.6341908, 'lon':
```

```
    78.4744722) pub
```

```
    (myData) time.sleep(3)
```

```
    myData={'name': 'Train1', 'lat': 17.6340889, lon': 78.4745052)
```

```
    pub (myData) time.sleep(3)
```

```
myData={'name': 'TrainI', 'lat': 17.6248626, 'lon': 78.4720259)
pub (myData) time.sleep (3)
myData={'name': 'TrainI', 'lat': 17.6188577, 'lon': 78.4698726)
pub (myData) time.sleep (3) myData={'name': 'Train1', 'lat':
17.6132382, 'lon':
78.4707318) pub
(myData) time.sleep
(3)
client.commandCallback = myCommandCallback
client.disconnect()
```